

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet

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of

4

Complete if Known

Application Number	10/817,133
Filing Date	April 1, 2004
First Named Inventor	WOODS et al.
Art Unit	1746
Examiner Name	Unassigned
Attorney Docket Number	LAM2P475

U.S. Patent Documents

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JWS	A	2003/0092264 A1	05/15/03	Shinji et al.	
	B	2004/0060573 A1	04/01/04	Woods	
	C	2004/0069319 A1	04/15/04	Boyd et al.	
	D	2004/0069329 A1	04/15/04	de Larios et al.	
	E	2004/0136494 A1	07/15/04	Lof et al.	
	F	2004/0178060 A1	09/16/04	Ravkin et al.	
	G	2004/0182422 A1	09/23/04	Boyd et al.	
	H	2005/0132515 A1	12/18/03	Boyd et al.	
	I	2005/0145265 A1	07/07/05	Ravkin et al.	
	J	2005/0145267 A1	04/01/04	Korolik et al.	
	K	2005/0145268 A1	04/01/04	Woods	
JWS	L	2005/0217703 A1	10/06/05	O'Donnell	

Foreign Patent Documents

Examiner Initial	Cite No. ¹	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
JWS	M	EP 1 489 461 A1	12/22/04	ASML Netherlands B.V.		<input type="checkbox"/>
JWS	N	EP 1 489 462 A2	12/22/04	ASML Holding N.V.		<input type="checkbox"/>

Non Patent Literature Documents

Examiner Initial	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
JWS	O	OWA et al. "Immersion lithography; its potential performance and issues", Proceedings of the SPIE, SPIE, Bellingham, VA, US, Vol. 5040, No. 1, February 28, 2003, pages 724-733, XP002294500
JWS	P	LIM et al., "Atomic Layer deposition of transition metals", Department of Chemistry and Chemical Biology, Harvard University, Nature Publishing Group, Volume 2, November 2003, Pages 749-754

Examiner Signature	JWS	Date Considered	12/26/06
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Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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JHS	A	2006/0064895 A1	03/30/06	Garcia et al.	
	B	3,953,265	04/27/76	Hood	
	C	4,367,123	01/04/83	Beck	
	D	4,444,492	04/24/84	Lee	
	E	5,102,494	04/07/92	Harvey et al.	
	F	5,180,431	01/19/93	Sugimoto et al.	
	G	5,343,234	08/30/94	Kuehnle	
	H	5,361,449	11/08/94	Akimoto	
	I	5,472,502	12/05/95	Batchelder	
	J	5,558,111	09/24/96	Lofaro	
	K	5,601,655	02/11/97	Bok et al.	
JHS	L	5,709,757	01/20/98	Hatano et al.	

Foreign Patent Documents

Examiner Initial	Cite No. ¹	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
JHS	M	JP11031672 (Patent Abstract in English provided)	02/02/99	Hitachi Ltd.		<input type="checkbox"/>
JHS	N	WO 03/014416 A2	02/20/03	Ebara Corporation		<input type="checkbox"/>

Non Patent Literature Documents

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JHS	O	ICKnowledge LLC, "Technology Background: Atomic Layer Deposition", ICKnowledge.com, 2004, Pages 1-7
JHS	P	"Chemical vapor deposition", Wikipedia, the free encyclopedia, http://en.wikipedia.org/wiki/Chemical_vapor_deposition , 2005, Page 1-2

Examiner Signature	<i>JHS</i>	Date Considered	12/26/06
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JHS	A	5,893,004	04/06/99	Yamamura	
	B	6,092,937	07/25/00	Snodgrass et al.	
	C	6,103,636	08/15/00	Zahorik et al.	
	D	6,108,932	08/29/00	Chai	
	E	6,214,513	04/10/01	Cai et al.	
	F	6,230,722	05/15/01	Mitsumori et al.	
	G	6,417,117	07/09/02	Davis	
	H	6,433,541	08/13/02	Lehman et al.	
	I	6,488,040	12/03/02	De Larios et al.	
	J	6,495,005	12/17/02	Colgan et al.	
	K	6,530,823	03/11/03	Goodarz et al.	
JHS	L	6,550,988	04/22/03	Sugimoto et al.	

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		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
JHS	M	WO 99/49504	9/30/99	Nippon Kogaku KK		<input type="checkbox"/>
JHS	N	JP 62150828 A	07/04/87	Mitsubishi Electric Corporation		<input type="checkbox"/>

Non Patent Literature Documents

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JHS	O	SIGMA-ALDRICH, "Atomic Layer Deposition (ALD)", http://www.sigmaaldrich.com/Area_of_Interest/Chemistry/Materials_Science/Thin_Films , 2005, Pages 1-2
	P	

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		Number-Kind Code ² (if known)			
JHS	A	6,555,017	04/29/03	Rushford et al.	
	B	6,616,772	09/09/03	De Larios et al.	
	C	6,854,473	02/15/05	Hanson et al.	
	D	6,954,993	10/18/05	Smith et al.	
	E	6,988,326	01/24/06	O'Donnell et al.	
	F	6,988,327	01/24/06	Garcia et al.	
	G	7,000,622	02/21/06	Woods et al.	
	H	7,069,937	07/04/06	Garcia et al.	
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	N					<input type="checkbox"/>

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JRS	A	2003/0091754	05/15/03	CHIHANI et al.	
	B	2005/139318	06/30/05	WOODS et al.	
JRS	C	6,086,454	07/11/00	WATANABE et al.	
	D				
	E				
	F				

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		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
JRS	G	JP 2003 151948 (Patent Abstract in English provided)	11/08/01	Seiko Epson Corporation		<input type="checkbox"/>
	H					<input type="checkbox"/>
	I					<input type="checkbox"/>
	J					<input type="checkbox"/>

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